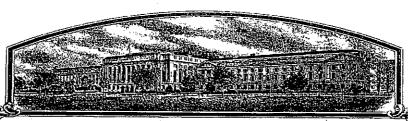
No.



9900233

# THE UNIVERD SHAMES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS; SHAIL COME;

Abbott & Gobb, Inc.

Migerens, there has been presented to the

### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN UCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY STION ACT. (84 STAT, 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

### WATERMELON

'W-9812'

In Testimony Murrent, I have hereunto set my hand and caused the seal of the Plant Bariety Arviertion Office to be affixed at the City of Washington, D.C. this twenty-eighth day of April, in the year of our Lord two thousand.

Allost:

Am morie thro

Commissioner Plant Variety Protection Office Agricultural Marketing Service

Elikma

REPRODUCE LOCALLY. Include form number and date on all	reproductions.		FORM APPROVED - OMB NO. 0581-0
U.S. DEPARTMENT OF AGRICULTURE  AGRICULTURAL MARKETING SERVICE  SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE		The following statements are made in accordance with the Privacy Act 1974 [5 U.S.C. 552a] and the Paperwork Reduction Act [PRA] of 1995.	
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  (Instructions and information collection burden statement on reverse)		Application is required in order to determine if a plant variety protectic certificate is to be issued (7 U.S.C. 2421). Information is held confident until certificate is issued (7 U.S.C. 2426).	
1. NAME OF APPLICANTIST (as it is to appear on the Certificate)	ant on reverse)		
Abbott and cobb, Inc		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
		W-9812	W-9812
4 4000000 (0			ARR 28 My 2000
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Count	ומי	5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY
P.O. BOX 307		(215)	9900233.
FeasTerville, PA 1903	53-0307	245-6666 6. FAX (Include area code)	F DATE
		215	2500000
	_	245-9043	3-27-79
7. GENUS AND SPECIES NAME	8. FAMILY NAME (Bot	enical)	FIUNG AND EXAMINATION FEE:
Citrullus lanatus	Cucur	bitaceae	245000
9. CROP KIND NAME (Common name)			S DATE
WATER Melan			R 3-29-79
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATI	ON (corporation, partner	ship, association, etc.) (Common name)	E 247
11. IF INCORPORATED, GIVE STATE OF INCORPORATION	<del></del>	12. DATE OF INCORPORATION	V 300
Pennsylvania			D DATE
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVEISI, IF ANY, TO SERVE	IN THIS APPLICATION	Jan - 2 - 1974	5-70-00
Arthur Abbott			14. TELEPHONE (Include area code) 2/5 245-6666
P.O. BOX 307			16. FAX finclude area code)
Feasterville, PA 19	053-0	307	245-9043
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow inst  8.  Exhibit A. Origin and Breading History of the Variety	ructions on reverse)		
b. 🖟 Exhibit B. Statement of Distinctness	•		
c.  Exhibit C. Objective Description of the Veriety		· . ·	
d. Exhibit D. Additional Description of the Variety (Optional)			•
e. 🔀 Exhibit E. Statement of the Basis of the Applicant's Ownership	·		
Voucher Sample (2,500 viable untreated seeds or, for tuber propagated v.     Wilde and Examination See (42,450), made annually at 35.	arieties verification that	issue culture will be deposited and maintaine	d in an approved public repository)
<ol> <li>☑ Filing and Examination Fee (\$2,450), made payable to "Treasurer of the L</li> <li>DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VAI ☐ YES \$1 "yes," answer items 18 and 19 below!</li> </ol>	Inited States" (Mail to P	/PO)	
	ET NO 11 NO'. BO	A CLASS OF CERTIFIED SEED? (See Section to Item 20)	83(a) of the Plant Variety Protection Act)
8. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS GENERATIONS?	TO NUMBER OF 19	. IF "YES" TO ITEM 18, WHICH CLASSES O	F PRODUCTION BEYOND BREEDER SEED?
☐ YES - ☐ NO		☐ FOUNDATION ☐ REGISTERET	CERTIFIED
D. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY SEEN RELEASE  YES #1 "Yes," give names of countries and detast  N	SED, USED, OFFERED FO	OR SALE, OR MARKETED IN THE U.S. OR OT	HER COUNTRIES?
<del>-</del>			4
Hybrids made from W-98/2.  The applicant(s) declare that a visible sample of basic seed of the variety will be fun applicable, or for a tuber propagated variety a tissue culture will be deposited in a	nished with application a	of will be replaced in the US	4 Since Aug_1-199
The undersigned applicant(s) je(are) the owner(s) of this applicant(s)		The local district of the contricate.	
			and an arrange of the first of the
Applicant(e) letare) informed that false representation herein can jeopardize protection NATURE OF APPLICANT (Owner(s))			
	SIGNATUR	RE OF APPLICANT (Owner(s))	
ME (Please print or type)			
	NAME (Pla	ese print or type)	
This T. MAIley - Abbott & Cold In PACIFY OR TITLE  X V/ALES. Punchasing Passochon 3/24	CAPACITY	OR TITLE	DATE
1/	<b>//</b>		

### 0000000

### INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed Exhibits A, B, C, E; (3) at least 2,500 viable untreated seeds, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,450 (\$300 filing fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Blvd., Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$300 for issuance of the Certificate.

> Plant Variety Protection Office Telephone: (301) 504-5518

### ITEM

- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding 16a. method:
  - (2) the details of subsequent stages of selection and multiplication;
  - (3) evidence of uniformity and stability; and
  - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified.
- Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other 16b. varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
  - (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences;
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- Exhibit C forms are available from the PVPO for most crops; specify crop kind. Fill in Exhibit C (Objective Description of 16c. Variety) form as completely as possible to describe your variety.
- Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately 16d. conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E 16e. form is available from the PVPO.
- If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant may NOT 17. reverse this affirmative decision after the variety has been sold and so labelled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 20. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant should check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gethering and Preserve reporting pursen for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, genering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other espect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection unless it displays a valid OMB control number.

The U.S. Department of Agriculture of ISDA1 and his displays and mental or familiar.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and merital or familial THE U.S. Lepartment of Agriculture (USUA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, discounty, political sections, status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.



P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-6666 • FAX (215) 245-9043

9900233

### EXHIBIT A

## **BREEDING HISTORY: W-9812**

W-9812 resulted from a breeding program, involving crossing, back crossing and selfing among three distinct parental genotypes. The parental genotypes used were:

- a) an F3 pedigree selection developed by selfing Royal Majesty, an F1 diploid hybrid, and,
- b) A selection from Fusarium resistant Peacock, WR60, and,
- c) A selection of Allsweet

The breeding objectives were to develope an inbred line, in the <u>Allsweet maturity class and fruit type</u>, that combine the following horticultural, morphological, and physiological characteristics:



P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-6666 • FAX (215) 245-9043

9900233

- 1) intense red flesh color
- 2) dark seeds of medium size,
- 3) long blocky fruits with Allsweet rind pattern
- 4) firm texture, with better than average after harvest shelf life
- 5) small seed cavities
- 6) good shipping quality
- 7) Brix reading of 11-12 %
- 8) resistance to Fusarium wilt race 1 and anthracnose race 1
- 9) Resistance to "Bottle necking"
- 10) Resistance to Rind Necrosis
- 11) Resistance to hollow heart, placental separation and transverse cracking
- 12) Resistance or tolerance to sunburn
- 13) Commercially acceptable parent for F1 hybrid seed production

Selections for the above characteristics, were initiated at the F2-F7 generations, under the field conditions of Central California and South Texas. Resistances to Fusarium wilt race one, and Anthracnose race one, were confirmed by actual greenhouse inoculation tests. Combining ability and seed productivity tests were initiated at the F4 level through the F6 generations. Extensive growing tests in Central California and South Texas have consistently shown W-9812 to be distinct, uniform and stable.

"SERVING THE COMMERCIAL GROWER SINCE 1917"



P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-6666 • FAX (215) 245-9043

9900233

# **EXHIBIT A : W-9812**

# **PARENTAL GENOTYPES USED**

The parental genotypes used in this breeding program and their relative contributions are as follows:

- 1) An F3 selection from Royal Majesty, designated "RM-F3-17". It was selected from a segregating population. The selected, single fruit was of medium size, Allsweet-type rind, small-medium dark seeds, deep red flesh and small seed cavity. It was also free of any physiological or morphological disorders. RM-F3-17 was resistant to Fusarium wilt race 1 and Anthracnose race 1.
- 2) A single plant selection, from Fusarium resistant Peacock WR60. This plant had a high level of resistance to Fusarium wilt race 1, had intense red flesh, and excellent shipping qualities. This pedigree was designated: PCK-FR-1.

"SERVING THE COMMERCIAL GROWER SINCE 1917"



P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-8666 • FAX (215) 245-9043

9900233

3) Allsweet. This Variety was used in this breeding program because of its large fruits, excellent texture, small seed cavity, and wide adaptability. However, Allsweet is known to be susceptible to "Bottle Necking" under stressful growing conditions.

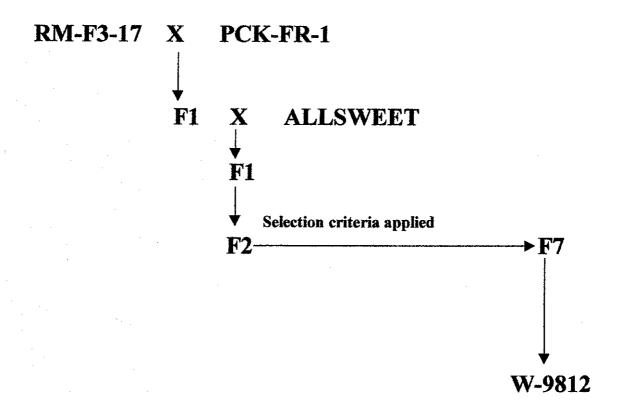


ABBOTT & COBB, INC. P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-8666 • FAX (215) 245-9043

9900233

# EXHIBIT A: W9812

## **BREEDING FLOW CHART**



### "SERVING THE COMMERCIAL GROWER SINCE 1917"



P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-6666 • FAX (215) 245-9043

# **EXHIBIT B: W-9812**

### STATEMENT OF DISTINCTNESS

W-9812 closely resembles "Allsweet ", in exterior appearance and days to market maturity. However, it differs from "Allsweet " in several aspects:

- 1) Fruits of "Allsweet " are longer and narrower than fruits of W-9812. (38 X 21 cms for W-9812 vs 49 X 19 cms for Allsweet).
- 2) The flesh color of "Allsweet" is light red in color, whereas, the flesh color of W-9812 is darker red in color. Using the "Royal Horticultural Colour Chart" as a reference, W-9812 will be rated SCARLET 19, whereas, "Allsweet" will be rated as SCARLET 19/2. Please refer to the enclosed digital pictures showing the internal flesh colors of W-9812 and "Allsweet".
- 3) The seeds of "Allsweet " are light brown in color and mottled, whereas, the seeds of W-9812 are solid black in color.
- 4) The seeds of "Allsweet" are smaller in size than the seeds of W-9812. One thousand seeds of "Allsweet" weigh 38.2 grams, whereas, 1000 seeds of W-9812 weigh 52 grams.

FORM APPROVED - OMB NO. 0581-0055

AGRICULTURAL MARKETING SERVICE COMMODITIES SCIENTIFIC SUPPORT DIVISION BELTSVILLE, MARYLAND 20705

EXHIBIT C (Watermelon)

### OBJECTIVE DESCRIPTION OF VARIETY WATERMELON (CITRIII I IS I ANATUS

INSTRUCTIONS: See Reverse. WATERMELON (CITRULLUS LANATU	1 1 (S)			
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	FOR OFFICIAL USE ONLY			
PIO BOX 30 7	PVPO NUMBER 9900233			
Feasterville, PA 19053-0307	DESIGNATION			
Place the appropriate number should be	W-9812			
Place a zero in first box (e.g. 0 8 9 or 0 9 ) when number is either 99 or less or 1. TYPE:	boxes below. 9 or less.			
1 = OBLONG 2 = ROUND LARGE 3 = ROUND SMALL (icebox)				
2. AREA OF BEST ADAPTATION:				
1 = SOUTH 2 = NORTHEAST/NORTHCENTRAL 3 = SOUTHWEST 4 = MOST AREAS 3. EMERGENCE TO ANTHESIS:				
NO. OF DAYS EARLIER THAN 2 1 = CHARLESTON GREY				
00 NO. OF DAYS LATER THAN 2) 2 = OTHER (Specify) ALLS Weet				
4. POLLINATION TO MATURITY:				
O O NO. OF DAYS EARLIER THAN 2 ) 1 - CHARLESTON GREY				
00 NO. OF DAYS LATER THAN 2 2 - OTHER (Specify) AUSweet				
5. PLOIDY:				
1 = DIPLOID 2 = TETRAPLOID 3 = TRIPLOID				
6. PLANT				
Cotyledon: 1 = FLAT 2 = FOLDED / 1 = MONOECI	OUS 2 - ANDRONOVOEDOV			
Number of flowers per plant at first fruit set:				
48 STAMINATE 03 PISTILLATE 00 PERFECT	NO. OF MAIN STEMS			
7. STEM:	[7] AT CHOWN			
1 = ROUND 2 = ANGULAR 0 7 MM. DIAME	TER AT SECOND NODE			
3 1 = GLABROUS 2 = SCABROUS 3 = PUBESCENT 4 = BRISTLED				
0 9 CM. VINE LENGTH = NO. OF INTERNODES. (At last harvest)				
8. LEAF:				
1 = OVATE 2 = OBOVATE 3 = ROUND / 1 = LONGER T	HAN WIDE 2 = LENGTH-WIDTH EQUAL			
Dorsal Surface:	AN LUNG			
Color:	GHT GREEN 2 = GRAY GREEN EDIUM GREEN 4 = DARK GREEN			
9. FLOWER (At first fruit set):	WHAT UNEER			
U 3 Staminate: CM. ACROSS 0 3 Parfeet: CM. ACROSS 2	Color: 1 = LEMON YELLOW 2 = YELLOW 3 = ORANGE			
FORM LPGS-470-19 (1-81) (Formerly GR-470-19 (1-15-73), which may be used.)				

4. Nickerson's or any recognized color fan should be used to determine the plant colors of the described variety.









ABBOTT & COBB, INC. P.O. BOX 307 • FEASTERVILLE, PA 19053-0307 (215) 245-6666 • FAX (215) 245-9043

9900233

# **EXHIBIT E: W-9812**

# Statement of ownership

Abbott and Cobb, Inc., is the sole owner of W-9812. The cost of development of this inbred was exclusively from the company own funds. All the parental genotypes used to develope W-9812 are legally unrestricted.